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| Application/Control | No. |
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10/709,977

Examiner

Matthew Osborne

Applicant(s)/Patent under Reexamination

BRECK ET AL. Art Unit

3694

| √ | Rejected |
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(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
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| A | Appeal   |
|---|----------|
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| Cla      | aim      | Date   |  |              |              |  |                   | Claim Date      |  |          |     |                |          |              |  |          | С        | laim     | Date     |          |             |          |   |  |            |  |              |  |              |  |              |              |                |                  |
|----------|----------|--|--|--------------|--------------|--|-------------------|-----------------|--|----------|-----|----------------|----------|--------------|--|----------|----------|----------|----------|----------|-------------|----------|---|--|------------|--|--------------|--|--------------|--|--------------|--------------|----------------|------------------|
|          | =        | 9  |  |              |              |  |                   |                 |  |          |     |                | le.      |              |  |          |          |          |          |          |             |          |   |  | 1          |  |              |  |              | Г  | П            |              |                |                  |
| Final    | Original | 12/19/06   | İ  |              |              |  |                   |                 |  |          |     | Final          | Original |              |  |          |          |          |          |          |             |          |   | ब्र  | Original   |  |              |  | 1            |  | 1            | 1            |                | 1                |
| ΙĒ       | ·Ē       | 12   |  | l            |              |  |                   |                 |  |          |     | Fir            | .E       |              |  |          |          |          |          |          |             |          |   | Final  | <u>.</u> E |  |              |  | 1            |  | l            | 1            |                |                  |
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|          | 1        | 1  | 1  | $\vdash$     | <u> </u>     | _  |                   |                 | M  | _        | 1   |                | 51       | $\vdash$     | 1  | $\neg$   |          |          |          |          |             |          |   |  | 101        | 1  |              | <del>                                     </del> | ऻ            | $\vdash$   |              |              |                |                  |
|          | 2        | V  | T  |              | <u> </u>     | T  |                   | T               | H  |          |     |                | 52       | ┢            | $\vdash$   | $\dashv$ | _        | $\vdash$ |          | $\neg$   | $\neg \neg$ |          | İ | <u> </u>   | 102        | t  | t            | <u> </u>   | $\vdash$     | <del>                                     </del> | -            | ┢            | М              | М                |
|          | 3        | V  | <del>                                     </del> | ┢            | ┢╌           | <del>                                     </del> | -                 | ┢               | -  |          |     |                | 53       | ┢            | $\vdash$   |          |          | -        | _        | -        | -           | _        |   | <u> </u>   | 103        | ╁  | ╁            | $\vdash$   |              | $\vdash$   | -            | $\vdash$     | $\vdash$       | $\vdash$         |
|          | 4        | i  |  | -            | ├            | $\vdash$   | ├                 | ├-              | -1   |          |     |                | 54       | ╁╌           | <del>                                     </del> |          |          |          | _        |          |             | _        |   | -  | 100        | +-   | ├            | -  | ⊢            | $\vdash$   | ├            | ├            | Н              | $\vdash$         |
| <u> </u> | 5        | ┼  | +-   | ╁            | $\vdash$     | ╁╌   | $\vdash$          | $\vdash$        | $\vdash$   | -        |     |                | 55       | ╁            | <del>                                     </del> | -        | $\dashv$ | $\dashv$ | _        |          | $\dashv$    | _        |   |  | 104<br>105 | +  | H            | -  | -            | -  | -            | H            | $\vdash$       | $\vdash$         |
|          | 6        | ┢  | +-   | ├            | $\vdash$     | <del> </del>                                     | $\vdash$          | $\vdash$        | $\vdash$   | -1       |     |                | 56       | ├─           | <del>  </del>                                    | $\dashv$ |          | $\dashv$ |          | $\dashv$ | -           |          |   | $\vdash$   | 106        | +  | $\vdash$     | -  | -            | -  | -            | H            | -              | $\vdash$         |
|          | 7        | -  | <del> </del>                                     | ⊢            | -            | $\vdash$   | ┝                 | -               | $\vdash$   | -        |     |                | 57       | ├-           | $\vdash$   | $\dashv$ |          | $\dashv$ | _        | $\dashv$ | $\dashv$    | -        |   | <u> </u>   | 107        | +-   | <del> </del> | _  | -            |  |              | -            | Н              | Н                |
| ├        | 8        | ╁  | H  | ├            | -            | ╁  |                   | ┼-              | $\vdash$   | $\dashv$ |     |                | 58       | ┢            | $\vdash$   | $\dashv$ | $\vdash$ | -        | -        |          |             | -        |   | ·  | 108        | ╁  | $\vdash$     |  | ⊢            | ⊢  | ┢            | -            | Н              | ├─┤              |
| <u> </u> | 9        | ╁  | ┢  | ⊢            | ┝            | $\vdash$   | -                 | ┼               | ╌┤   | $\dashv$ | 1   |                | 59       | ┢            | ╌┤   | $\dashv$ | $\dashv$ | -        |          |          |             |          |   | -  | 109        | ╁  | -            |  | H            |  | ┢            | ⊢            | Н              | <del>  -  </del> |
|          | 10       | ├  | ╆  | ┢            | ┢            | ┢  | ļ                 | ╁╌              | <del>                                     </del> | -        | -   |                | 60       | ┢            | $\vdash$   | -        | $\dashv$ |          | _        | -        |             | -        |   |  | 109        | ⊢  | ⊢            |  | <del> </del> | <u> </u>   | ⊢            | -            |                | Н                |
| <u> </u> | 11       | $\vdash$   | ⊢  | -            | ├─           | ├  | ├-                | ┼               | $\vdash \vdash$                                  | $\dashv$ | -   |                | 61       | <del> </del> | $\vdash$   |          |          | -        | $\dashv$ | -        |             |          |   | -  | 110        | $\vdash$   |              | -  | -            | <del> </del>                                     | ├            |              | $\vdash\vdash$ | Н                |
| <u> </u> | 12       | $\vdash$   | $\vdash$   | -            | ├            | ├  | ┢                 | $\vdash$        | $\vdash \vdash$                                  | $\dashv$ |     |                | 62       | $\vdash$     | $\vdash \vdash$                                  |          | $\dashv$ | _        | -        | _        | _           |          |   | <u> </u>   | 111        | ⊢  | <b> </b>     | -  |              | ļ -  |              | <del> </del> | $\vdash\vdash$ | Н                |
| <u> </u> | 13       | $\vdash$   | ₩  | <del> </del> | <del> </del> | <del> </del>                                     |                   | ├               | ⊢  |          |     |                |          | $\vdash$     | $\vdash \vdash$                                  | -        |          |          |          |          |             | $\dashv$ |   | <u> </u>   | 112        | $\vdash$   |              | ├  |              | ├—   | <del> </del> | <u> </u>     | $\vdash$       | $\vdash \vdash$  |
|          |          | ├-   | ├-   | $\vdash$     | ├-           | ⊢-   | -                 | ⊢               | $\vdash$   | $\dashv$ |     |                | 63       | -            | $\vdash$   | $\dashv$ |          |          |          |          | $\dashv$    | -        |   | <u> </u>   | 113        | -  | $\vdash$     | <del> </del> -                                   | ├            | <u> </u>   | $\vdash$     | $\vdash$     | Н              | Н                |
| ├        | 14       | <del>                                     </del> | -  | -            | ļ            | ├-   |                   | ┼               | $\vdash$   | $\dashv$ |     |                | 64       | $\vdash$     | $\vdash \vdash$                                  |          |          | $\dashv$ |          |          |             | _        |   | ⊢  | 114        | ⊢  | -            | <del>                                     </del> | <del> </del> | <b> </b>   | ├            | _            | $\vdash\vdash$ | Ш                |
|          | 15       | ├  | ⊢  | ļ            | <b> </b>     | <del> </del>                                     | <del> </del>      | ₩               | ⊢  | 4        |     |                | 65       | $\vdash$     | $\vdash \vdash$                                  |          |          | _        | _        |          |             | _        |   | <u> </u>   | 115        | _  |              | <u> </u>   | ļ.           | <u> </u>   | <u> </u>     |              | Щ              | Ш                |
| <u> </u> | 16       | ₩  | ⊢-   | ļ            |              | ⊢  | $\vdash$          | ₩               | $\vdash \vdash$                                  | 4        |     |                | 66       | _            | ${oldsymbol{\sqcup}}$                            |          |          |          | _        | _        | _           |          |   | <u> </u>   | 116        | ┼  |              | <u> </u>   | <u> </u>     | <u> </u>   | ⊢            | <u> </u>     | Ш              | $\vdash \vdash$  |
|          | 17       | <b> </b> -                                       | ├_   |              | <u> </u>     | <del> </del>                                     | ⊢                 | -               | $\vdash \vdash$                                  | 4        | - ] |                | 67       | _            | $\vdash$   | _        |          |          |          |          | _           | _        |   |  | 117        | ╄  |              | <u> </u>   |              | _  | <u> </u>     | <u> </u>     | $\square$      | $\vdash$         |
|          | 18       | _  | <u> </u>   |              | <b> </b>     | ┞  | _                 | ↓_              |  | _        | -   |                | 68       | <u> </u>     |  | $\dashv$ |          | _        |          | $\Box$   | _           | $\dashv$ |   | <u> </u>   | 118.       | _  |              | _  |              |  | _            |              | Ш              | Ш                |
|          | 19       | _  | <u> </u>   |              | _            | _  | L                 | _               | $\sqcup$   | _        |     |                | 69       |              | $\sqcup$   | _        | _        |          |          |          |             | _        |   |  | 119        | <u> </u>   |              | L_   | <u> </u>     |  |              |              |                | Ш                |
|          | 20       | _  | L  | Ŀ            | L            |  | _                 | <u> </u>        | $\sqcup$   | _        |     |                | 70       | <u> </u>     |  |          |          |          | _        |          | _           | _        |   |  | 120        | ┖  |              |  |              | _  | _            |              | Ш              | Ш                |
|          | 21       | <u> </u>   | L  | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>          | lacksquare      | Ш  |          |     |                | 71       | _            |  | _        |          | _        |          | _        | _           |          |   |  | 121        |  |              |  | <u> </u>     |  | L            |              |                | Ш                |
|          | 22       | <u> </u>   | <u> </u>   | <u> </u>     | Ľ            | Ŀ  | $ldsymbol{f eta}$ | L               |  | _        |     |                | 72       |              | Ш  | _        | _        |          |          | _        | _           |          |   | L  | 122        | L  |              |  | Ŀ            |  |              | •            | Ш              | Ш                |
|          | 23       |  | <u> </u>   | <u> </u>     | _            | L.   | <u> </u>          | $oxed{igspace}$ | $\sqcup$   | _        | ļ   |                | 73       |              | Ш  | _        | _        |          |          |          | _           | _        |   | L  | 123        | ┖  |              |  | <u> </u>     |  |              |              | Ш              | Ш                |
|          | 24       | L_   | <u> </u>   | <u> </u>     | <u> </u>     | _  | L                 | lacksquare      | Ш  | _        | ļ   |                | 74       |              | <u> </u>   | _        | _        | _        | _        |          | _           |          |   |  | 124        |  |              |  |              |  |              |              | Ш              | Ш                |
|          | 25       | <u> </u>   |  |              | _            | _  | L.                | <u> </u>        |  | _        | ļ   |                | 75       | Ш            |  | _        | _        |          | _        | _        | _           |          |   |  | 125        |  |              |  | _            |  |              |              | Ш              | Ш                |
|          | 26       | _  |  | _            | _            | _  |                   | <u> </u>        | Ш  | _        |     |                | 76       |              |  |          | _        | _        |          | _        | ᆜ           |          |   |  | 126        |  |              |  | L            | _  |              | L            | Ш              | Ш                |
|          | 27       | _  | L  |              | _            | _  | L.                | L_              |  |          |     |                | 77       | Ш            |  |          | _        |          |          |          |             |          |   |  | 127        |  |              |  |              |  |              |              |                | Ш                |
|          | 28       | <u> </u>   |  |              |              | _  | <u>_</u>          |                 | Ш  | _        | J   |                | 78       |              |  | _        | $\sqcup$ |          | $\Box$   |          | _           | $\Box$   |   |  | 128        | L  |              |  |              |  |              |              |                | Ш                |
|          | 29       |  |  | L            | L            |  |                   |                 |  |          |     |                | 79       | Ш            |  |          |          |          |          |          |             |          |   |  | 129        | L  |              |  |              |  |              |              | Ш              | Ш                |
|          | 30       | L  |  | L            |              |  | _                 | L               |  | ╝        |     |                | 80       |              |  | $\perp$  |          | _        |          |          |             |          |   |  | 130        |  |              |  |              |  |              |              |                |                  |
|          | 31       |  |  | L            | 乚            | L  |                   |                 |  |          |     |                | 81       |              |  |          |          |          |          |          |             |          |   |  | 131        | $\Box$   |              |  |              |  |              |              |                |                  |
|          | 32       | <u> </u>   | $oxed{oxed}$                                     |              |              |  | oxdot             |                 |  |          |     |                | 82       |              |  | $\Box$   | [        |          |          | $\Box$   | $\Box$      |          |   |  | 132        |  |              |  |              |  |              |              |                |                  |
|          | 33       |  |  |              |              |  |                   |                 |  |          | [   |                | 83       |              |  | $\Box$   |          | $\Box$   |          |          |             |          |   |  | 133        |  |              |  |              |  |              |              |                |                  |
|          | 34       |  |  |              |              |  |                   |                 |  |          | [   |                | 84       |              |  |          |          |          | _]       |          | $\Box$      |          |   |  | 134        |  |              |  |              |  |              |              |                |                  |
|          | 35       |  | $oxed{oxed}$                                     |              | 匚            | $\Box$   | L                 |                 |  |          | [   | ]              | 85       |              |  |          |          |          |          |          |             |          |   |  | 135        |  |              |  |              |  |              |              |                |                  |
|          | 36       | L  |  |              |              |  |                   |                 |  |          |     |                | 86       |              |  |          |          |          |          |          |             | $\Box$   |   |  | 136        |  |              |  |              |  |              |              |                |                  |
|          | 37       |  |  |              |              |  |                   |                 |  |          |     |                | 87       |              |  |          |          |          | $\Box$   |          |             |          |   |  | 137        |  |              |  |              |  |              |              |                |                  |
|          | 38       |  |  |              |              |  |                   |                 |  |          | Ì   |                | 88       |              |  |          |          |          |          |          |             |          |   |  | 138        |  | П            |  |              |  |              | П            |                | П                |
|          | 39       |  |  |              |              |  |                   |                 |  |          | ı   |                | 89       |              |  |          |          | $\neg$   | $\neg$   | 一        | $\neg$      |          |   |  | 139        |  |              |  |              |  |              |              | 一              | П                |
|          | 40       |  |  |              |              |  |                   |                 |  | $\neg$   |     |                | 90       | П            |  | 寸        |          |          | $\neg$   |          |             |          | į | <u> </u>   | 140        | Г  |              |  |              |  |              |              | $\sqcap$       | $\sqcap$         |
|          | 41       |  |  |              |              |  |                   |                 |  |          |     |                | 91.      | П            |  | 丁        | $\neg$   |          |          | $\neg$   |             |          |   |  | 141        |  | П            |  |              |  |              | П            | $\dashv$       | П                |
|          | 42       |  |  |              |              |  |                   |                 |  | $\neg$   | Ì   | Ì              | 92       | П            |  | $\neg$   | $\neg$   |          | $\neg$   | $\Box$   | $\neg$      |          |   |  | 142        | Г  | П            |  |              |  |              | П            | ヿ              | $\neg$           |
|          | 43       |  |  |              |              |  |                   |                 |  | $\neg$   | ı   |                | 93       | П            |  |          | $\neg$   | $\neg$   | _        |          |             |          |   |  | 143        |  | П            |  |              |  |              | П            | $\neg$         | $\neg$           |
|          | 44       |  | П  |              |              |  | <u> </u>          | Г               | $\Box$   | $\neg$   | Ì   |                | 94       | П            |  | 7        | $\neg$   | $\neg$   | _        | 寸        |             |          |   |  | 144        | Г  | П            |  |              |  |              | П            | ╗              | $\dashv$         |
|          | 45       |  | П  |              |              |  |                   |                 |  | $\dashv$ | Ì   |                | 95       | П            | $\dashv$   | _        | 1        | 7        | 一        |          | $\dashv$    | $\neg$   |   |  | 145        | Т  | Н            |  |              | $\neg$   | _            | $\vdash$     | $\dashv$       | $\dashv$         |
|          | 46       | $\vdash$   | М  |              | Г            |  | $\vdash$          |                 | $\Box$   | $\dashv$ | t   |                | 96       | М            | _  | 一        | _        | $\dashv$ | 1        |          |             | $\neg$   | ļ |  | 146        | <del>                                     </del> | Н            |  |              | $\vdash$   | $\vdash$     | Н            | $\dashv$       | $\dashv$         |
|          | 47       | Т  |  |              | $\vdash$     | П  | Ι                 |                 | $\vdash$   | $\dashv$ | ł   | $\overline{}$  | 97       | Н            | $\dashv$   | $\dashv$ | -+       | $\dashv$ |          | $\dashv$ |             | $\dashv$ |   |  | 147        | Т  | Н            | $\dashv$   | $\vdash$     | Н  |              | $\vdash$     | $\dashv$       | $\dashv$         |
|          | 48       | ┢  | H  | $\vdash$     |              |  |                   | $\vdash$        | $\vdash \uparrow$                                | $\dashv$ | ŀ   |                | 98       | H            | -  | $\dashv$ | $\dashv$ | $\neg$   |          | -        |             | ᅥ        |   |  | 148        | H  | Н            | -  | _            | $\vdash$   | -            | $\vdash$     | $\dashv$       | $\dashv$         |
|          | 49       |  |  |              |              | $\vdash$   | <del> </del>      |                 | $\vdash \vdash$                                  | $\dashv$ | ŀ   | <del>- 1</del> | 99       | $\vdash$     | $\dashv$   | _        | $\dashv$ | _        | -        | $\dashv$ | -           | $\dashv$ | 1 | <del>                                     </del> | 149        | $\vdash$   | $\vdash$     | -  |              | $\vdash$   | $\vdash$     | $\vdash$     | -              | $\dashv$         |
|          | 50       | _  | H  | -            | -            |  | ┢                 |                 | $\vdash$   | $\dashv$ | ŀ   |                | 100      | $\vdash$     | $\dashv$   | $\dashv$ | +        | $\dashv$ | -        |          | $\dashv$    | ᅱ        |   | <u> </u>   | 150        | <del> </del>                                     | $\vdash$     |  |              |  |              | $\vdash$     | $\dashv$       | 一                |
|          |          |  |  |              |              |  |                   |                 |  |          |     |                |          |              |  |          |          |          |          |          |             |          |   |  |            |  |              |  |              |  |              |              |                |                  |